# **SFPQ Polyclonal Antibody**

Catalog Number: E-AB-62211



Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human, Mouse, Rat

**Immunogen** Recombinant fusion protein of human SFPQ (NP\_005057.1).

Host Rabbit
Isotype IgG

**Purification** Affinity purification

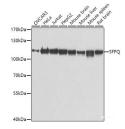
**Conjugation** Unconjugated

**Formulation** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### **Applications** Recommended Dilution

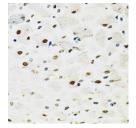
WB 1:500-1:1000
IHC 1:50-1:100
IF 1:50-1:100

## Data

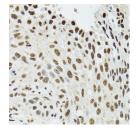


Western blot analysis of extracts of various cell lines using SFPQ Polyclonal Antibody at dilution of 1:1000.

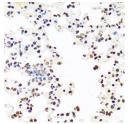
Observed Mw:115kDa Calculated Mw:72kDa/76kDa



Immunohistochemistry of paraffin-embedded Rat brain using SFPQ Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human lung cancer using SFPQ Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse lung using SFPQ Polyclonal Antibody at dilution of 1:100 (40x lens).

#### For Research Use Only

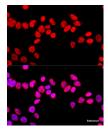
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Immunofluorescence analysis of HeLa cells using SFPQ Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

### **Preparation & Storage**

Storage

Store at -20°C. Avoid freeze / thaw cycles.

#### **Background**

DNA- and RNA binding protein, involved in several nuclear processes. Essential pre-mRNA splicing factor required early in spliceosome formation and for splicing catalytic step II, probably as a heteromer with NONO. Binds to pre-mRNA in spliceosome C complex, and specifically binds to intronic polypyrimidine tracts. Involved in regulation of signal-induced alternative splicing. During splicing of PTPRC/CD45, a phosphorylated form is sequestered by THRAP3 from the pre-mRNA in resting T-cells; T-cell activation and subsequent reduced phosphorylation is proposed to lead to release from THRAP3 allowing binding to pre-mRNA splicing regulatotry elements which represses exon inclusion. Interacts with U5 snRNA, probably by binding to a purine-rich sequence located on the 3' side of U5 snRNA stem 1b. May be involved in a pre-mRNA coupled splicing and polyadenylation process as component of a snRNP-free complex with SNRPA/U1A.

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